

Converting Colors

XYZ(37.5156, 20.5450, 1.9883)

Have a look what the booklet for
XYZ(37.5156, 20.5450, 1.9883)
contains.

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Color

**XYZ(37.4459, 20.5332,
1.9897)**

Conversions

Conversions Part 1

Format	Color
Hex	F22A00
RGB	242, 42, 0
RGB Percent	95%, 16%, 0%
CMY	0.0510, 0.8352, 1.0000
CMYK	0.00, 0.83, 1.00, 0.05
HSL	10°, 100%, 47%
HSV	10°, 100%, 95%
XYZ	37.4459, 20.5332, 1.9897
YIQ	97.0120, 132.6820, 29.3380

Conversions

Conversions Part 2

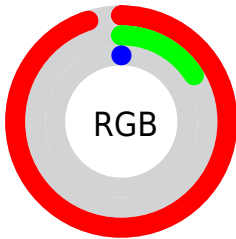
Format	Color
RYB	242, 51, 0
Decimal	15870464
CIELab	52.43, 71.57, 65.31
CIELCh	52, 96.888, 42.384
Yxy	20.5332, 0.6244, 0.3424
Android (android.graphics.Color)	4294060544 (0xFFFF22A00)
YUV	97.0120, -47.8269, 127.1545
Hunter-Lab	45.3136, 68.2088, 29.1161

Details

The XYZ color **37.4459, 20.5332, 1.9897** is a dark color, and the websafe version is hex **FF3300**. The color can be described as dark saturated red. A complement of this color would be **36.6767, 47.7103, 91.2796**, and the grayscale version is **11.4587, 12.0555, 13.1284**.

A 20% lighter version of the original color is **47.3920, 32.3009, 7.8745**, and **17.6792, 9.1140, 0.8274** is the 20% darker color. If you saturate the color by 10%, you get **37.4462, 20.5343, 1.9899**, and if you desaturate by 10%, it is **38.5082, 22.3912, 3.1676**.

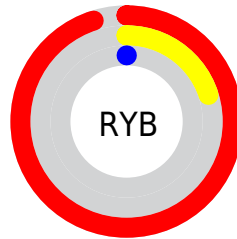
Distribution



Red (95%)

Green (16%)

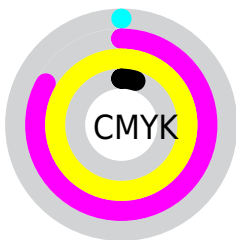
Blue (0%)



Red (95%)

Yellow (20%)

Blue (0%)

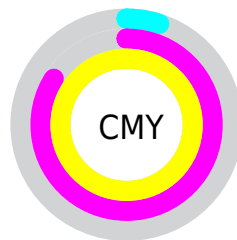


Cyan (0%)

Magenta (83%)

Yellow (100%)

Black (5%)



Cyan (5%)


Magenta (84%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 37.4459, 20.5332, 1.9897 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 37.4459, 20.5332, 1.9897 by changing the saturation by 10% instead.


 37.4459, 20.5332,
1.9897


 37.4459, 20.5332,
1.9897


 326.5591,
254.7872, 122.2166


 25.7282, 12.7832,
0.5489


 70.5674, 44.3093,
9.0126

 16.7520, 7.2794,
0.0000


 92.7020, 61.1043,
15.4886

 10.1520, 3.6375,
0.0000


 119.0395, 81.6830,
24.4991

 5.5629, 1.4729,
0.0000

 149.9453,
106.4299, 36.4625

 2.6193, 0.2695,
0.0000

 185.7848,
135.7294, 51.7974


 0.9558, 0.0000,
0.0000


 226.9234,


 0.0000, 0.0000,


169.9658, 70.9224


0.0000


 273.7264,
209.5236, 94.2559


 37.4459, 20.5332,
1.9897

 37.4459, 20.5332,
1.9897


 37.4462, 20.5343,
1.9899

 38.5082, 22.3912,
3.1676

 40.1780, 25.1310,
5.5732

 42.5599, 28.8585,
9.5615

 45.7272, 33.6587,
15.3476

 49.7436, 39.6069,
23.1129

■ 54.6660, 46.7715,
33.0164

■ 60.5462, 55.2155,
45.2007

■ 67.4322, 64.9977,
59.7965

■ 75.3686, 76.1728,
76.9241

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



44.9700, 20.5332, 12.5035



37.4459, 20.5332, 1.9897



25.9338, 20.5332, 0.0000

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



37.4459, 20.5332, 1.9897



6.3264, 20.5332, 9.4883



23.9378, 20.5332, 130.8312

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



37.4459, 20.5332, 1.9897



36.6767, 47.7103, 91.2796

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



14.2556, 20.5332, 126.6509



37.4459, 20.5332, 1.9897



6.1144, 20.5332, 36.3710

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



37.4459, 20.5332, 1.9897



9.2112, 20.5332, 1.3619



8.4790, 20.5332, 83.8257



35.5617, 20.5332, 92.7018

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



37.4459, 20.5332, 1.9897



18.7272, 20.5332, 0.0000



8.4790, 20.5332, 83.8257



20.3271, 20.5332, 134.8788

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



37.4463, 20.5345, 1.9900



68.1282, 62.0985, 50.7786



47.2388, 23.1256, 57.6441



13.9548, 12.3936, 9.5598



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



37.4463, 20.5345, 1.9900



42.1510, 23.0820, 2.2337



49.4209, 44.4835, 5.9815



15.9946, 16.2024, 16.4341



20.1847, 11.1675, 1.0917



1.7422, 1.0551, 0.1118

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



36.6767, 47.7103, 91.2796



41.2757, 53.6714, 102.7919



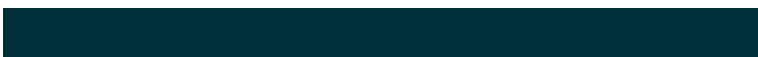
18.9447, 12.2464, 85.3689



16.0003, 17.4346, 20.2435



19.7929, 25.8100, 49.0665



1.7073, 2.2687, 4.1021

Previews

White Background



This preview shows how the XYZ color 37.4459, 20.5332, 1.9897 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 37.4459, 20.5332, 1.9897 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 37.4459, 20.5332, 1.9897

Background



This preview shows how black text looks on a background with the XYZ color 37.4459, 20.5332, 1.9897.



This preview shows how white text looks on a background with the XYZ color 37.4459, 20.5332,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

37.4459, 20.5332, 1.9897

Protanopia

18.6797, 20.6782, 4.2351

Deuteranopia

20.6974, 20.4628, 2.8588



Tritanopia

37.7266, 20.5348, 3.8089

Trichromacy



Original Color

37.4459, 20.5332, 1.9897

Protanomaly

22.5698, 17.6964, 2.8423

Deuteranomaly

24.7274, 18.3010, 2.2292

Tritanomaly

37.5758, 20.5291, 2.8462

Monochromacy



Original Color

37.4459, 20.5332, 1.9897

Achromatopsia

11.3621, 11.9538, 13.0177

Achromatomaly

16.1011, 12.1396, 6.0520

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.4459, 20.5332, 1.9897 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(242, 42, 0)` looks like.

```
.text, #text, p{  
    color:rgb(242, 42, 0)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(242, 42, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 42, 0) }
```

Border

The CSS property to change the border of an element to XYZ 37.4459, 20.5332, 1.9897 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(242, 42, 0) }
```


If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(242, 42, 0) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(242, 42, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 42, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 42, 0);  
box-shadow:4px 4px 4px 4px rgb(242, 42, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 37.4459, 20.5332, 1.9897 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 42, 0) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(242, 42,  
0) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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